ANNUAL FACTORY REPORT

OF THE

PRESIDENCY OF BOMBAY

1922

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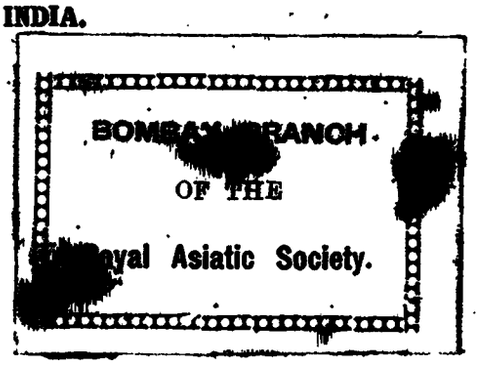

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From

R. D. BELL, ESQUIRE, C.I.E., I.C.S., M.L.C.,
Director of Industries, Bombay;

To

THE SECRETARY TO GOVERNMENT,
General Department, Bombay.

OFFICE OF THE DIRECTOR OF INDUSTRIES, FACTORY DEPARTMENT,

Old Custom House, Fort,
Bombay, 21st May 1923.

Subject.—Factory Annual Report for 1922.

Sir,

I have the honour to forward the annual report on the administration of the Factories Act during 1922.

2. The increase of 136 in the number of registered factories is due to the introduction of the new Act rather than to industrial development. With an improved cotton season, the number of closed factories, which are mostly seasonal, diminished by 30.

3. There was a further increase of 2·2 per cent. in the employees engaged in the cotton industry. Women workers increased by 1·9 per cent. while there was a diminution of 15 per cent. in the number of children.

4. The number of children employed in Bombay was 1,498. The records have been searched as far back as 1900 without tracing a lower figure. It is significant that, while the number of children actually employed was so small, the numbers who presented themselves for certificates were 13,783 of whom only 16·8 per cent. were found to be fit and eligible for certificates. No less than 34·9 per cent. endeavoured to obtain second certificates, but this figure is an improvement on the 47·4 per cent. of last year. It will be realised from these figures that Dr. Bardi, the whole-time certifying surgeon for Bombay, continues to exercise a wholesome check on the improper employment of children. It is to be regretted that at Ahmedabad, where the children employed are much more numerous than in Bombay City and where it is known that double working and other evils prevail, there is no full-time certifying surgeon. Proposals for bringing child labour under control at Ahmedabad by employing a special certifying officer have been under the consideration of Government since 1921 and until they are sanctioned, the existing evils will continue.

5. There is no improvement to record in the steps taken by factory owners for the education of half-timers and the younger children of the adult employees. A few factories however do good work. An effort is now being made to bring the Educational Department in closer touch with existing factory schools.

6. Welfare work continues to increase and receives more notice than usual in this year's report.

7. The number of inspections was well maintained, but the staff is too small numerically to stamp out evasions of the law.

8. It is very satisfactory that the number of inspections by *ex-officio* officers numbered 488 which is the largest number in the last five years. One prosecution, as compared with six last year, was instituted by an *ex-officio* inspector.

9. The number of prosecutions by full-time inspectors increased nominally from 7 to 105, but the number of cases was really only 14, since, in cases where women or children have been illegally employed, a summons is issued in the case of each individual in respect of whom an offence has been committed. Thus the prosecution of three mills meant an addition of 87 cases to the record.

10. In addition to inspections, a very considerable amount of work was done in the office during the year in preparing new rules and in arranging exemptions to factories under the new Act. The greater part of this work was carried out when Mr. A. H. Fell acted as Chief Inspector and the Department learnt with great regret that he died a few months after he proceeded on leave in September last. Mr. Fell was a loyal and efficient servant of Government who willingly shouldered a heavy burden.

11. In conclusion, I am glad to record that in all the circumstances the work of the amalgamated department has been satisfactorily performed as regards factory inspection and I specially bring to the attention of Government the services of Mr. Johnstone, who is mainly responsible for a report which reflects his zeal and interest in his work.

I have the honour to be,

Sir,

Your most obedient servant,

R. D. BELL,
Director of Industries.

PROVINCIAL REPORT UPON THE WORKING OF THE INDIAN FACTORIES ACT, 1911 (XII OF 1911), AS AMENDED BY ACT II OF 1922, IN THE BOMBAY PRESIDENCY FOR THE CALENDAR YEAR 1922.

I.—Factories and their Inspection.

1. During the year, the number of factories subject to the control of the Factory Act increased by 136 to 1,062. The new factories brought on the register were distributed over the different districts of the Presidency as follows: in Bombay, 1 artificial limb factory, 6 engineering works, 6 motor works, 1 woollen mill, 2 cotton cleaning factories, 2 dye works, 11 printing presses, 4 iron and brass works, 4 flour mills, 8 ærated water works, 1 electrical power station, 1 coffee and butter works, 3 oil mills, 5 metal works, 1 paint factory, 1 optical works, 1 tin works, 1 saw mill, 1 ice factory, 1 oxygen gas works, 2 electrical works and 1 tramway works; in Bombay Suburban, 2 dye works, 3 cigarette factories, 1 engineering works, 1 bone mill, 1 metal works, 1 leather cloth factory, 1 chemical works and 1 paint factory: in Poona, 1 electrical generating works: in Belgaum, 1 oil mill, and 1 tile factory: in Bijapur, 1 ginning factory: in East Khandesh, 1 cotton mill and 1 press factory: in West Khandesh, 2 hay presses and 2 cotton presses: in Ahmedabad, 4 cotton mills, 1 flour mill and 3 iron and brass works: in Kaira, 1 saw mill: in Surat, 1 leather factory: in Panch Mahals, 1 distillery and 2 ginning factories: in Karachi, 2 printing presses, 1 ice and mineral works, 1 saw mill, 1 carbonic gas works, 1 tannery, 2 kerosine tin works, 1 motor works, 1 cable workshop and 1 tile factory: in Nawabshah, 1 ginning factory: in Sukkur, 3 rice mills: in Upper Sind Frontier, 1 rice mill and 1 hay press and in Larkhana, 34 rice mills. On the other hand, 13 factories which were on the last year's register have been removed from the list: they were as follows:—1 motor works, 1 dye works and 1 glass works in Bombay: 2 ginning factories in Sholapur: 1 ginning factory in Bijapur: 1 ginning factory in Dharwar: 1 gin and 1 press factory in West Khandesh: 1 glass works in Karachi: 2 ginning factories in Hyderabad and 1 press factory in Nawabshah.

The large increase in the number of factories is chiefly due to the Amending Act which became operative on the 1st July.

2. The number of factories actually working was 982 against 816 in the previous year. Of the total of 1,062 factories on the register, there were 464 perennial and 598 seasonal as compared with 362 perennial and 564 seasonal factories in the previous year. Two hundred and two of the perennial and 552 of the seasonal factories were connected with the cotton industry. Eighty factories remained closed throughout the year.

3. The total number of operatives employed in all industries as obtained from the annual returns submitted by the factory owners was 360,518 as compared with 353,280 in the last year: of these 284,051 were engaged in the cotton industry as against 277,791 in the previous year. The cotton mills in Bombay show an increase of 4,941 whilst the added factories have also increased the number of operatives employed. On the other hand dockyards in Bombay report a large decrease of 2,847.

4. Out of the 1,062 factories on the register, 464 were perennial of which 147 were inspected more than three times, 81 were inspected three times, 146 were inspected twice and 83 were inspected once, while 7 factories remained uninspected but 2 only worked. Of the 598 seasonal factories, 8 were inspected three times, 75 were inspected twice and 420 were inspected once, while 95 factories were not inspected: of these, 13 were closed and 82 working factories remained uninspected.

All the inspections mentioned above were performed by the full-time inspectors of the Amalgamated Department. In addition to these inspections, several extra visits for inspection and enquiry into accidents were also made.

5. The post of the Chief Inspector of Factories, Boilers and Smoke Nuisances was held by Mr. A. H. Fell from the beginning of the year till 9th September and by Mr. T. W. Johnstone from 10th to 22nd September during the absence on leave of the undersigned.

There has been no change in the distribution of factory inspection duties from last year.

6. The post of the Certifying Surgeon for the Town and Island of Bombay and Coorla was held by Dr. D. R. Bardi, during the year except from the 26th November to the close of the year when he was on leave.

In other districts throughout the Presidency, the certification of children was carried out by the Medical Officers appointed by Government.

II.—Sanitation.

7. The statutory lime-washing is generally observed but a number of concerns were remiss in this direction and special orders had to be issued. During the war it was almost impossible for factories to carry out the seven yearly painting of interior woodwork and as a result this requirement was temporarily in abeyance. Some leeway has however been made up and the orders regarding painting have now either been complied with or are in course of compliance. The cost of painting is an appreciable item in large factories but its value in improving cleanliness and lighting cannot be overstated.

The Sind Inspector reports that an improvement has been effected in the cleanliness of latrines in his districts whilst attention has been given to the additional accommodation necessary in those concerns in the Presidency where a larger number of operatives are employed consequent on extensions which have taken place. Greater interest by the supervising staff in factories could secure still more improvement and would incidentally reveal the extent to which these places are utilised as " bidikhanas " or for surreptitious idling.

The supply of drinking water was well maintained and in a few factories improvements in the washing facilities were made.

III.—Ventilation.

8. It is satisfactory to record an improvement in ventilation in several factories. Both in Ahmedabad and Bombay there is an increased appreciation of the need of improving conditions in the textile industry and some mills have installed new plant for humidification and ventilation. The enquiry by the Humidification Adviser to the Government of India has recently been completed and the question of suitable standards will doubtless be later considered by Government.

That improvement in the conditions under which operatives work can often be effected by minor adjustments in existing plant is not always appreciated. The result of an experiment made in a mill is accordingly reported in detail. The mill is installed with a system of humidification and ventilation whereby air and atomised water is blown through large trunks into the spinning room and at varying intervals along the main trunks down pipes are placed to distribute the mixture throughout the room. It was noticed that the down pipes were fitted with deflector plates in such a manner that the air was blown into the room at too high a level to give any local benefit to the operatives. On alternate pipes these were replaced by conical distributors arranged to deflect the air downwards and since the best position for the distributors relative to the pipe was not known, it was varied in three instances. The wet kata cooling powers were measured at operative level between the ring frames with the following results :—

Number of down pipe	1	2	3	4	5	6
Wet kata cooling power (operative level) ..	11·4	12·1	10·0	20·9	10·7	14·9

The old arrangement was retained in the odd numbered pipes whilst the new distributors were placed in the even numbered ones. The down pipes are numbered from the fan end so that the ascending numbered pipes received a diminishing quantity of air. There was thus always an advantage in favour of the original arrangements but despite this the modifications resulted in an operative within the zone of the new distributor at No. 6 receiving considerably more benefit than an operative at No. 1. The distributor on pipe number 4 gave the best results and its spacing was finally adopted for all.

The changes made at this mill were effected at slight cost and were greatly appreciated by the operatives who were enabled to get the benefit of the cold air introduced. The efficiency of the fan too was improved and the experiment showed how conditions can be improved by arranging for the correct distribution of intaken air rather than by increasing its supply.

In another mill with a similar installation the down pipes were placed over the creels instead of between the frames and whilst the former is the better arrangement to secure facility in moving the skips the manager as a result of the experiment in the first mill is making similar changes.

Attention has been directed in recent years to the need of improving the physical conditions—temperature, humidity and air movement in factories or in other words, in increasing the cooling power at body level and for the measurement of this Dr. Leonard Hill has invented the kata thermometer. This instrument has been aptly described as a "comfort meter" and observations with it have been taken in several factories. It is seldom difficult to convince managers that air movement is desirable and can often be obtained by simple means. Thus paddles have been fitted to line shafts in several instances so that the operatives labour under conditions approximating to an office worker under an electric fan. That the operatives appreciate the value of working under increased cooling power is obvious from the fact that in several factories they have fitted up for themselves crude but effective means of producing air movement.

Extensions and alterations for development purposes have frequently resulted at the same time in improving the lot of the operatives. Particularly is this noticeable in the alterations in the sizing departments. The separation of the sizing from other branches of work was pressed by the inspector in one mill where the sizing, winding and weaving departments were in one room and where the operatives were under the influence of the steam liberated and the heat radiated in the sizing process. The mill complied with the suggestion and reported less damage to cloth in process as a result.

The Government Central Press and a large local printing press have improved ventilation by the installation of special apparatus.

IV.—Wages.

9. Industry was prosperous for the first half of the year and wages were generally maintained at the last year's level during the slack period at the close of the year. Strikes were fairly numerous but, in view of the detailed treatment of wages and strikes by the Labour Office, comment by the Factory Department appears to be unnecessary.

V.—Employment of Women and Children.

10. The following table shows the number of women and children employed in Bombay and the Mofussil for the past five years :—

Year.	Women			Children.		
	Bombay.	Mofussil.	Total.	Bombay.	Mofussil.	Total.
1918	25,394	28,903	54,297	2,679	11,759	14,438
1919	28,200	32,378	60,578	3,116	11,759	14,875
1920	30,498	34,336	64,834	3,047	12,388	15,435
1921	31,571	34,655	66,226	2,664	13,102	15,766
1922	31,579	35,939	67,518	1,498	11,894	13,392

The number of women employed in Bombay factories is practically the same as last year but the mofussil reports an increase of 1,284. In Bombay, there were 1,166 less children employed than last year and 1,208 less in the mofussil. In the three main centres of the textile industry, *viz.*, Bombay, Ahmedabad and Sholapur, the number of women employed is practically identical with last year, an increase of nearly 600 women in the Ahmedabad mills being counterbalanced by decreases in Bombay and Sholapur. The reduction in the number of children employed in the Bombay mills is consequent on the raising of the age limit by the Amendment Act, but it appears that the Bombay textile industry has not substituted women

for child labour to any great extent (male adults in Bombay mills have increased by 6,170). The industry in Ahmedabad on the other hand employs 282 less men, 578 more women, and only 189 less children than in 1921. In Bombay and Sholapur textile mills, 2,875 children were employed in 1922 as compared with 4,523 in 1921 —a considerable reduction and in marked contrast to Ahmedabad where 7,114 children were employed in 1921 and 6,925 in 1922. Ahmedabad appears to have surmounted the difficulties with regard to child labour in a manner which needs special enquiry. It is well known that double certification takes place at Ahmedabad.

The increase of women in the mofussil is partly due to their employment in concerns which have been recently brought within the scope of the Amended Act and to the starting of four mills in Ahmedabad.

Irregularities.—A warning was given to a Bombay Mill where irregularities with regard to child labour were suspected. It proved however of no avail and at a subsequent inspection 7 children were found working without certificates and employed as full timers. The Certifying Surgeon's duties had been usurped by a jobber who passed the children if they came up to his lay standard of age and fitness. The spinning master was fined Rs. 25 in each of the seven succeeding prosecutions.

A Sunday visit to a second mill was followed by the conviction of the manager and a fine of Rs. 30 in each of fifteen cases for not giving the weekly holiday to reelers.

A similar detection in a third mill resulted in a fine of Rs. 20 in the first and a fine of Rs. 15 in each of the next forty cases.

A fourth mill in Bombay was prosecuted and fined Rs. 20 for not giving a recess to the reelers.

In Ahmedabad, a manager was fined Rs. 20 in each of 31 cases for the illegal employment of children, a second manager was fined Rs. 100 for a similar offence whilst a third was acquitted. In an action against a fourth mill for non-observance of the rest period required by the new Act, it was held that a technical offence only had been committed and though the manager was convicted no fine was imposed.

In Sind, two prosecutions were instituted for employing uncertified children in ginning factories. Fines of Rs. 100 and Rs. 60 were imposed.

The prosecutions just mentioned were all undertaken by the full time inspectors. In addition one by the Mukhtiarkar of Shahadadpur resulted in the manager of a ginning factory being fined Rs. 20 for employing uncertified children.

VI.—Fencing of Machinery.

11. A higher standard has been aimed at during the year. An order was passed and later complied with in one mill to fit lap protector guards on the scutchers on which accidents had occurred. Very few mills have provided these guards, but accidents are of rare occurrence. Their application will probably be extended with the introduction of the Compensation Act. Particular attention has been given to the under shafts on the universal winding machines and an unsuspected trap in the roller gearing on a particular make of ring frames has been rendered innocuous on most machines of this make.

Improvements too have been effected in hoist gates and, following departmental pressure, two mills at considerable expense replaced the whole of their gates by modern ones.

Attention has been given to the guarding of power presses as although few accidents occur they almost invariably result in amputation. The question of finding a suitable guard is difficult and finality has not yet been reached in England where the use of such presses is on a much larger scale than in India. Up to now no guards have been fitted to power presses but an order has been passed and one factory is fitting trial guards on two of their machines. The danger in working them is obvious and the accidents are usually due to a lack of co-ordination between the movements of the different parts of the operator's body. The guards proposed are automatic in their action and should remove a hand from the danger point in the event of a lapse on the operator's part.

Pending the introduction of the Compensation Act, provision has been made in Section 43-A of the Amended Factories Act to award compensation in the case of persons injured through a neglect of the Factory Act's provisions.

In one case where it was proved that a youth had lost his arm through the defective guarding of a ring frame, a jobber was convicted and fined Rs. 100, which was awarded in full as compensation. The manager agreed at the same time to employ the injured person on light work at an equivalent wage. All the ring frame guards in the mill have been renewed since the prosecution.

In a second case where it was intended to apply the provisions of the same section, the manager was discharged. There was doubt both as to the position where the operative was injured and also as to the guarding of the machine which apparently had been passed as satisfactory by an inspector who could not be called for evidence.

In a third case, a manager was prosecuted for failing to maintain satisfactorily the usual protection on a number of ring frames. He was successful in escaping responsibility but two jobbers were fined Rs. 30 each in his stead.

Inspectors report a general willingness on the part of managers to comply with their requests. In Bombay especially many managers are keenly alive to the need of maintaining and improving the fencing of machinery and frequently make suggestions in this respect.

VII.— Accidents.

12. Details of accidents in the last 10 years are given below :—

Year.	Number of persons injured.				Average per 100 operatives employed.
	Fatal.	Serious.	Minor.	Total.	
1913	43	63	1,490	1,596	·59
1914	22	48	1,532	1,602	·60
1915	21	67	1,682	1,770	·63
1916	23	87	1,102	1,212	·41
1917	28	75	819	922	·31
1918	39	128	698	865	·23
1919	26	99	896	1,021	·32
1920	33	108	768	909	·27
1921	34	101	949	1,084	·31
1922	42	88	980	1,110	·31

The number of fatal accidents is the largest since 1913. Twenty-one were due to machinery but the number is swollen by two fatalities to children on factory premises, to the death of one man in an accident which should have resulted in minor injuries only if the man had been amenable to medical treatment, to two accidents of an unusual nature and to several shaft accidents.

Despite the injunctions of Rule 21, persons continue to replace belts and oil bearings whilst wearing loose clothing. This is due partly to a failure to realise the dangers involved and partly to the expense of obtaining suitable tight clothing. The ordinary garb of many workers is entirely unsuited to the dangerous work involved and whilst a number of factories have complied with requests to provide such clothing free of cost, provision is not general. Wonder is often felt that such accidents are not more numerous. In the new Rules which are now before Government it is proposed to make the provision of suitable tight clothing compulsory on the factory occupier. This will reduce the number of accidents due to loose clothing becoming entangled in machinery.

Great need exists however for educating the operative to a sense of his own danger and incidentally also to a sense of his duties to his fellow workers. It is extremely difficult to understand for instance the mentality of a labourer who selected a narrow plank of wood for his siesta with an unprotected drop of 30′ feet on each side of him, when a large platform equally screened from observation was within a short distance.

The way in which a careless action is occasionally attended by serious results is illustrated in the case of a fatal accident to a woman cotton picker on the ground floor of a building under construction. She was engaged in her duties when a steel

joist penetrated the ceiling and killed her almost instantaneously. A joist had been slightly displaced in the building operations on the second floor and a labourer to save a longer journey started to walk towards the free end. The inevitable happened and the man and the joist fell together. The cause of the trouble escaped with a severe shaking but the joist penetrated the flooring and killed the unfortunate woman below.

A.—Due to Machinery.

Bombay.

	No. of perons killed.
By belt	1
The deceased was caught by a loom belt and instantly killed.	
By engine-fly wheel	1
The deceased fell and was struck by a fly wheel receiving fatal injuries.	
By steam hammer	1
The smith was struck by the tongs whilst working.	
By sizing machine	1
The sizer had his hand taken into the size and died through neglect of his injuries.	
By coal crusher	1
The man had his leg taken in and died in hospital after amputation.	
By shafting	2
In the first case, a cooly had the loose end of his dhotie caught by a line shaft. He received internal injuries and later died.	
In the second case, a man's clothes were entangled in a pulley whilst oiling a bearing.	
By strap bracket	1
The deceased received a severe blow on the back by the strap bracket which was broken by the belt.	
By drying cylinder	1
A paper machine operator was badly burnt and died from shock.	
By falling objects	1
The deceased was injured by a fall of pillars displaced by a plate from a rolling machine. He died later from internal injuries.	

Sholapur.

By belt	1
The deceased was killed by the breaking of a ring frame belt.	
By shafting	1
A woman labourer's sari was caught by the shaft causing severe injuries resulting in death.	

West Khandesh.

By gin knife	1
A boy aged 4 ignorantly placed his hand between the roller and knife.	

Karachi.

By shaft	1
The deceased received fatal injuries through his clothes being wrapped round a revolving shaft.	

Surat.

By belt	1
The man was caught by a belt and taken over the shafting.	

Broach.

By press box	1
A man fell into half press bale box and was found dead when the bale was removed.	

Ahmedabad.

By ring frame	1
A child carelessly placed under a ring frame was killed at the tin rollers.	
By hoist	1
The man was crushed between the hoist and floor.	

	No. of persons killed.
By belts	3
Two men were killed while replacing loom belts and a third whilst replacing a belt for a shaping machine.	

B.—Not Due to Machinery.

Bombay.

By falls	3
Two deaths were due to falls from scaffolds and the third from a fall of five feet in the engine room.	
By burns	2
One man received fatal burns on an oil burner whilst a second was scalded in a bleaching kier.	
By drowning	2
In the first case, a cooly was accidentally drowned in a mill tank whilst in the second an operative went to wash his clothes in a tank, fell in and was drowned.	
By electric shock	2
Two fatalities occurred in the transformer house of mills.	
By fall of joist	1
A woman waste picker was killed by a falling joist from a building under construction.	
By asphyxiation	2
Two men were overcome by foul gas in a jack well and were drowned in the water at the bottom of the well.	

East Khandesh.

By hoist	1
The deceased was killed through his own carelessness in dismantling a hoist.	

Karachi.

By burns	1
The man received fatal burns through the fire bars of a gas retort falling into the water pit below.	
Crushed by a boiler	1
The man received fatal injuries whilst a boiler was being lowered into position.	

Surat.

By drowning	1
A man was drowned whilst bathing in a mill tank.	

Ahmedabad.

By cotton bales	1
A set of cotton bales fell on the deceased and killed him instantaneously.	
By drowning	1
A woman was found drowned in a mill tank.	
By scalds	1
A man was severely scalded by boiling size and died later.	
By fall	1
The deceased fell from the roof of a weaving shed.	
By falling objects	1
The man was killed by a fall of shafting.	

VIII.—Prosecutions.

13. One hundred and five prosecutions were instituted by the full time Inspectors, *viz.* :—68 in Bombay, 34 in Ahmedabad and 3 in Sind. Convictions were secured in 101 cases and fines ranging from Rs. 15 to Rs. 100 were imposed in 100 cases.

In addition to the above, one more prosecution was made by a Sind Mukhtiarkar, a conviction was secured and a fine of Rs. 20 was imposed.

IX.—Housing of Mill-hands.

14. The question of improving the housing accommodation for factory hands has received in recent years much attention from Government and employers. The precise effects of the Development Department's chawl building operations on the position of the ordinary mill-hand have yet to be ascertained but the situation is

being carefully watched. A few factories have been erected in the Bombay Suburban area and these have provided or are providing living accommodation. A new woollen mill at Thana has built 128 rooms in 16 units. It is possible for the workers in such localities to reap some of the benefits and escape many of the evils of industrialism.

X.—General.

15. The mid-day recess has been ordinarily well observed. There was however an inclination on the part of some mills and many operatives to crib time in the reeling department. One mill was prosecuted for failing to give the usual recess to the reelers.

Welfare work.

16. A considerable volume of welfare work is in progress. This varies from the supply of stock medicines by a compounder to well equipped hospitals and maternity wards. A few concerns provide maternity relief whilst others maintain schools and creches and have organised provident funds.

In many cases the managers and assistants take a keen interest in this work. The mere provision of sum of money is hardly sufficient unless there is an enthusiast to organise.

The value of welfare work cannot be overstated and it is hoped that expenditure on such work will be the last item to suffer the economy axe which is being ruthlessly wielded in the present period of depression.

The Industrial Disputes Committee has emphasised its value in promoting a better understanding between employers and employed and it appears desirable that more publicity should be given to such work in the Factory Report.

Inspectors interest themselves in the work and frequently suggest improvement whilst the mere recital of work well done in one factory often acts as a stimulus to advancement in another. At least one dispensary in a factory and the employment of a full instead of a part time compounder in a second has been due to the personal interest taken by an inspector. It is therefore being separately proposed to Government that Chapter IV of this report which deals with wages and which is now of little value owing to the creation of the Labour Office should be replaced by a chapter dealing with welfare.

Both in Ahmedabad and Sholapur creches have been established for the children of operatives. The Inspector in the former place reports that most mills have either set apart a room or maintain creches. Section 19-A has been useful in this connection.

17. The accident in the jack well of a mill has been noted. Two men lost their lives whilst a third was only saved by the bravery of a mill operative who descended and was successful in rescuing him. A similar accident has never occurred before. The circumstances pointed to asphyxiation by hydrogen sulphide and this was later confirmed by tests made with the assistance of the Chemical Analyser to Government. The well obtained its supply from a main tank in which decomposing matter was present. But the jack well itself was uncovered and no risk was apparent. An investigation into other wells was made and as similar accidents appeared likely, a circular letter was sent to all mills drawing attention to the danger, to the need of precautionary measures and to the necessity of preliminary tests before any one is allowed to descend.

18. Attention has been given to the provision of fire escapes in new buildings. It is rather surprising to find factories still being erected without fire escapes and in many cases with doors opening inwards.

Inspectors endeavour to visit factories before they start working but information is not always forthcoming. In a few instances managers have asked for an inspector to visit before work commences and to advise with regard to the requirements of the Act. This step is always encouraged. One concern which was visited soon after registering was found to be entirely without guards and to have no second outlet in case of fire although it was particularly liable to an outbreak. A fire did in fact occur within a few days of the provision of the second door which was ordered and this proved extremely useful in extinguishing the outbreak. Two persons were injured however before the guarding ordered could be completed.

19. The textile industry worked at full pressure for the first half of the year, but in the second half demand slackened and stocks accumulated. Some factories stopped part of their plant and a few worked short time. The night shifts have now practically ceased. There were two cotton spinning and two cotton weaving factories and one cotton spinning and weaving mill started whilst many existing concerns added to their equipment.

20. The woollen industry was expanded in recent years. The mill burnt down in 1921 has re-started and two others commenced manufacturing. This industry employs 1,643 persons as compared with 362 in 1921.

21. The chief feature of the year has been the passing of the Factories (Amendment) Act II of 1922 and its operation from 1st July.

22. The reduction of the number of children employed as a result of the increase in the age limit has been already noted.

23. The prohibition of women from working at night only affects the cotton ginning and pressing industry and considerable difficulty was expected in complying with this provision. The Khandesh factories completed their season however without experiencing much trouble. Most of the factories adopted a batch system of working in the day time which was departmentally suggested and where night working was necessary adult male labour was found.

The limitation of the daily and weekly hours of work of male adults has been felt chiefly by the flour mills, the printing industry and some engineering workshops. Aerated water factories which are now amenable to the Act also formerly employed persons for long hours. Reduction of hours has been theoretically effected in all concerns but in many special surprise visits will be necessary to ensure compliance with the Act.

In the textile industry a ten hour day was practically general last year so that the bulk of the mill operatives have been unaffected.

24. The exemptions allowed by the Schedules of the 1911 Act have been cancelled and all exemptions to the Act are now granted by the Local Government according to the principles laid down in Section 30 of the present Act. Exceptions for certain classes of workers in particular industries have been considered and notifications issued, whilst the exemptions for the textile industry are still under consideration.

The Amended Act contains in Section 19-B and its corresponding Schedule provisions covering the employment of women and young persons in lead processes. An enquiry has been made and although not yet completed it appears that no women and young persons are engaged on any of the processes mentioned in Part I of the Schedule whilst comparatively few work in other processes connected with lead. In one factory male adults have been substituted for women and in another exhaust draught is being considered in addition to the other requirements of the Schedule. In both these factories however the work has been carried out under extremely good natural conditions and no case of lead poisoning seems to have occurred. Enquiry too has been made into the possibility of lead poisoning amongst adults in other industries. The use of white lead in paints has also been studied but its use in factories is practically restricted to the dockyards and railway workshops.

One factory has agreed to a periodical medical examination of its painters so that information under this head should be later forthcoming ; the chief need however for painters appears to be an improvement in their personal habits.

In the printing industry defects have been noticed in the foundries and composing departments. In the former most of the precautionary measures adopted to secure immunity from the disease are not taken. Some improvement has been noted and the problem is receiving further attention. An analysis of the dust taken from a compositor's case showed that it contained 7 per cent of lead. The type cases are cleaned in a very unscientific and unhygienic manner but interest has been created in a modern dust extractor and it is hoped that other firms will follow the example set by one press which is installing an extractor.

25. Small factory owners have not shown any keenness to register. The number of factories already added is less than was expected and most of the registrations have followed the inspector's visit. In several instances where the inspectors have found over 20 persons employed the occupational notices sent have not been filled in

whilst in others the numbers employed have been frankly disputed. The staff however has not been sufficient to deal with evasions or to make the detailed enquiries necessary in other cases.

26. The new Act with all its additional responsibilities came into force at a time when factory inspection had been amalgamated with boiler inspection and the trained staff available for factory inspections was quite insufficient for the work to be done.

27. New draft rules under the Act were published during the year and criticisms invited. They are now being considered in their final shape by Government.

28. Government have been pleased to appoint the Director of Public Health and all Assistant Directors of Public Health in the Presidency to be *ex-officio* inspectors of factories and the Certifying Surgeon for the Town and Island of Bombay to be an additional inspector within the limits of their respective jurisdictions under Government Notification No. 2804 dated 23rd November 1922, General Department.

29. The undersigned regrets to record the recent death of Mr. A. H. Fell, the Senior Inspector, when on leave. Mr. Fell had a long connection with each of the three departments now amalgamated and acted as Chief Inspector for about 20 months during the undersigned's absence in 1921 and 1922.

Mr. Fell was a zealous and capable officer; his death is much regretted.

The inspecting and clerical staffs worked hard and well during the year.

D. R. MACINTOSH,
Chief Inspector of Factories, Boilers and Smoke Nuisances, Bombay Presidency.

FACTORY INSPECTION OFFICE,
Bombay, 15th May 1923.

STATEMENT No. I.

STATEMENT

Totals of

District.	Town and Island of Bombay.	Ahmedabad.	Broach.	Kaira.	Panch Mahals.	Surat.	Thana.	Bombay Suburban.	East Khándesh.	West Khándesh.	Násik.
Factories as defined in Section 2 (3) (*a*) of the Act ...	265	142	47	13	8	46	4	14	145	69	12
Factories notified under Section (2) (3) (*b*) of the Act ...	...	...	...	...	...	...	...	...	...	...	...
Total 1921 ...	204	134	47	12	5	45	4	3	143	67	12
Total 1920 ...	192	127	47	9	5	42	6	...	143	69	11

No. I.

Factories.

Poona.	Sholápur.	Ahmednagar.	Sátára.	Belgaum.	Bijápur.	Dhárwár.	Kolába.	Hyderabad.	Karáchi.	Sukkur.	Thar and Párkar.	Nawabshah.	Upper Sind Frontier.	Larkhana.	Totals.
15	28	14	1	27	31	71	1	10	31	9	8	15	2	34	1,062
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	30	14	1	25	31	72	1	12	21	6	8	15	...	...	926
12	30	14	1	25	31	71	...	12	16	6	9	16	...	...	894

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY.

STATEMENT

Enumeration of

Industry.		Town and Island of Bombay.	Ahmedabad.	Broach.	Kaira.	Panch Mahals.	Surat.	Thána.	Bombay Suburban.	East Khándesh.	West Khándesh.	Násik.	Poona.
1. Government and Local Fund Factories.													
Aeroplane workshop	...	...	...	...	...	...	...	...	...	...	...	...	...
Arms and Ammunition	...	...	...	...	...	...	...	...	...	...	...	...	1
Arsenals	...	...	...	...	...	...	...	...	...	...	...	...	1
Canal foundry and workshops	...	...	...	...	...	...	...	...	...	...	...	...	...
Carpentry	...	...	...	...	...	...	...	...	...	...	...	...	...
Clothing agencies	...	...	...	...	...	...	...	...	...	...	...	...	...
Cotton Mills	...	...	...	...	...	...	...	...	...	...	...	...	...
Distilleries	...	...	...	...	...	1	...	...	...	...	...	1	...
Dockyards and harbour works	...	1	...	...	...	...	...	...	...	...	...	...	...
Electrical Engineering works	...	...	...	...	...	...	...	...	...	...	...	...	...
Engineering workshops	...	5	...	...	...	...	...	...	1	...	...	...	1
Forage presses	...	..	...	..	...	...	...	...	...	...	...	...	...
Gas-works	...	...	...	...	...	...	...	...	...	...	...	...	...
Gun-carriage factory	...	...	...	...	..	...	...	...	...	...	...	...	...
Iron works and foundries	...	...	..	...	...	...	...	...	...	...	...	...	...
Jute mills	...	...	...	...	...	...	...	...	...	...	...	...	...
Leather works and tanneries	...	...	...	...	...	...	...	...	...	...	...	...	...
Mathematical instrument factory	...	...	...	...	...	...	...	...	...	...	...	...	...
Mints	...	1	...	...	...	...	...	...	...	...	...	...	...
Municipal works (including water works)	...	1	...	...	...	...	...	...	...	...	...	...	...
Rosin and turpentine factories	...	...	...	...	...	...	...	...	...	...	...	...	...
Sappers and Miners workshops	...	...	...	..	...	...	...	...	...	...	...	...	...
Saw-mills and turnery	..	...	...	...	...	...	...	...	...	...	...	...	...
Stone masonyard	...	...	...	...	...	...	...	...	...	...	...	...	...
Stores factory	...	...	...	...	...	...	...	...	...	...	...	...	.
Telegraph works	...	...	...	...	...	...	...	...	...	...	...	...	...
Woollen mills	...	...	...	...	...	...	...	...	...	...	...	...	...
Artificial Limb factory	...	1	...	...	...	...	...	...	...	...	...	...	...
Railway workshops	...	...	...	...	...	...	...	...	...	...	...	...	...
Printing presses	...	1	...	...	...	...	...	...	...	...	...	...	2
Motor works	...	1	...	...	...	...	...	...	..	...	...	...	...
Total	...	11	...	...	...	1	...	...	1	...	...	1	5
2. All other Factories.													
Textiles. Cotton (Spinning, Weaving and other) factories	...	85	72	5	2	...	5	...	3	3	...	...	1
Textiles. Hosiery	...	1	2	...	...	...	...	...	...	...	...	...	...
Textiles. Jute mills	...	...	...	...	...	...	...	...	...	...	...	...	...
Textiles. Silk mills	...	2	...	...	...	...	...	...	...	..	..	...	...
Textiles. Woollen mills	...	3	...	...	...	...	...	1	...	...	...	...	...
Textiles. Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	91	74	5	2	...	5	1	2	3	...	...	1
Mineral and Metals. Aluminium	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Colliery workshop	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Iron Brass and steel foundries	...	17	6	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Kerosine tinning and packing works	...	5	...	..	...	...	...	...	...	...	...	...	...
Mineral and Metals. Lock and Cutlery works	...	1	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Metal works	...	6	...	...	...	...	...	...	1	...	...	...	1
Mineral and Metals. Petroleum refineries	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Tin works	...	1	...	...	...	...	...	...	...	...	...	...	...
Total	...	30	6	...	...	...	...	...	1	...	...	...	1
Engineering and Transport. Dockyards	...	2	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Electrical engineering works		2	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Engineering workshops	...	6	...	...	...	...	...	...	...	...	..	...	...
Engineering and Transport. Motor works and coach building works	...	16	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Railway workshops	...	6	...	...	...	...	...	...	...	1	...	2	1
Engineering and Transport. Shipbuilding and engineering works	...	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Tramway works	...	2	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Telegraph works	...	1	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Cable factory	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	35	...	...	...	...	...	...	...	1	...	2	1

No. II.

Factories.

Sholápur.	Ahmednagar.	Sátára.	Belgaum.	Bijápur.	Dhárwár.	Kolába.	Hyderabad.	Karáchi.	Sukkur.	Thar and Párkar.	Nawábsháh.	Upper Sind Frontier.	Larkana.	Total.	Total for the year 1921.	Total for the year 1920.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	1	...	...	...	...	...	...	...	...	...	...	3	2	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	8	4	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	...	...	2	2	...	...	...	...	4	4	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	4	4	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	1	...	...	...	...	4	2	...	...	...	...	26	19	10
7	...	...	2	...	3	...	...	...	1	...	...	...	...	188	183	180
...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	3	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	2	...	3	...	...	...	1	...	...	...	...	197	191	187
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	2	...	...	...	...	...	25	18	15
...	...	...	...	...	...	...	...	5	...	...	...	...	...	10	8	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	2	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	...	...	7	...	...	...	...	...	45	29	24
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
...	...	...	...	...	...	...	...	2	...	...	...	...	...	8	5	5
...	...	...	...	...	...	...	...	1	...	...	...	...	...	17	12	5
1	...	...	...	...	1	...	...	...	...	...	...	...	...	12	12	16
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	3	2	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...
1	...	...	...	...	1	...	...	5	...	...	...	...	...	46	34	30

STATEMENT

Enumeration of

Industry.		Town and Island of Bombay.	Ahmedabad.	Broach.	Kaira.	Panch Mahals.	Surat.	Thána.	Bombay Suburban.	East Khándesh.	West Khándesh.	Násik.	Poona.
2. *All other Factories*—continued.													
Food Drink and Tobacco.	Biscuit factories ...	...	...	...	...	...	...	...	...	...	...	...	...
	Breweries ...	...	...	...	...	...	...	...	...	...	...	...	...
	Coffee works ...	1	...	...	...	...	...	...	...	...	...	...	...
	Dairy farm ...	...	...	...	...	...	...	...	...	...	...	...	...
	Distilleries ...	...	...	...	...	...	...	...	...	...	...	...	...
	Flour mills ...	10	1	...	...	...	...	...	...	...	...	...	...
	Ice, Mineral and Aerated Water factories ...	9	...	...	...	...	...	...	...	...	...	...	...
	Rice mills ...	...	...	...	...	...	...	...	...	...	...	...	...
	Sugar factories ...	...	...	...	...	...	...	...	...	...	...	...	...
	Tobacco factories ...	...	...	...	...	...	...	...	3	...	...	...	...
	Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...
	Gur factories ...	...	...	...	...	...	...	...	...	...	...	...	...
	Total ...	20	1	...	...	...	...	...	3	...	...	...	...
Chemicals Dyes, etc.	Bone mills ...	...	...	...	...	...	...	2	2	...	...	...	...
	Chemical works ...	1	...	...	...	...	...	...	1	...	...	...	...
	Dye-works ...	12	1	...	...	...	...	...	2	...	...	...	...
	Lac factories ...	...	...	...	...	...	...	...	...	...	...	...	...
	Match factories ...	...	2	...	...	...	...	...	...	...	...	...	...
	Oil mills ...	4	4	...	...	...	1	...	...	...	...	...	...
	Soap factories ...	...	...	...	...	...	...	...	...	...	...	...	...
	Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...
	Total ...	17	7	...	...	...	1	2	5	...	...	...	...
Paper and Printing.	Paper mills ...	2	...	...	...	...	...	...	...	...	...	...	1
	Printing presses ...	28	...	...	...	...	1	1	...	...	...	...	3
	Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...
	Total ...	30	...	...	...	...	1	1	...	...	...	...	4
Processes relating to Wood, Stone and Glass.	Carpentry ...	...	...	...	...	...	...	...	...	...	...	...	...
	Cement works ...	...	...	...	...	...	...	...	...	...	...	...	...
	Furniture workshops ...	2	...	...	...	...	...	...	...	...	...	...	...
	Glass works ...	2	...	...	...	1	...	...	...	...	...	...	1
	Potteries ...	...	...	...	...	...	...	...	...	...	...	...	...
	Saw mills ...	5	...	...	1	...	...	...	...	...	...	...	...
	Stone works ...	...	...	...	...	...	...	...	...	...	...	...	...
	Tile factories ...	...	...	...	...	...	...	...	...	...	...	...	...
	Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...
	Optical works ...	1	...	...	...	...	...	...	...	...	...	...	...
	Total ...	10	...	...	1	1	...	...	...	...	...	...	1
Processes connected with Skins and Hides.	Leather works ...	...	...	...	...	...	...	...	...	...	...	...	...
	Tanneries ...	1	...	...	...	...	1	...	...	...	...	...	...
	Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...
	Total ...	1	...	...	...	...	1	...	...	...	...	...	...
Gins and Presses.	Cotton ginning, cleaning and pressing works ...	9	54	42	10	6	38	...	...	141	67	9	...
	Jute presses ...	...	...	...	...	...	...	...	...	...	...	...	...
	Hay presses ...	...	...	...	...	...	...	...	...	...	2	...	...
	Total ...	9	54	42	10	6	38	...	...	141	69	9	...

No. II—*continued.*

Factories—continued.

Sholápur.	Ahmednagar.	Sátára.	Belgaum.	Bijápur.	Dhárwár.	Kolába.	Hyderabad.	Karáchi.	Sukkur.	Thar and Párkar.	Nawábsháh.	Upper Sind Frontier.	Larkhana.	Total.	Total for the year 1921.	Total for the year 1920.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	3	1	...	...	...	...	15	11	11
...	...	...	...	...	...	...	...	1	...	...	...	...	...	10	...	...
...	...	...	...	...	...	...	...	...	3	...	...	1	34	38	...	...
...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...
...	1	...	...	...	...	...	...	4	4	...	...	1	34	68	12	12
...	...	...	...	...	...	...	1	1	...	...	...	...	...	6	5	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	12	13
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2
...	...	...	1	2	...	...	...	...	...	...	...	...	...	12	8	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	.	...	1	2	...	...	1	1	...	...	...	...	...	37	28	28
...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3	3
...	...	...	...	...	1	...	...	4	...	...	...	...	...	38	25	23
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	1	...	...	4	...	...	...	...	...	41	28	26
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	6	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	7	4	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	1	...	...	...	...	1	...	...	...	...	...	2	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	1	...	...	...	...	2	...	...	...	...	...	16	12	11
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	3	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	3	1	1
20	13	1	22	29	66	...	9	2	2	8	15	...	...	563	562	557
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...
20	13	1	22	29	66	...	9	2	2	8	15	1	...	566	562	557

STATEMENT

Enumeration of

	Industry.	Town and Island of Bombay.	Ahmedabad.	Broach.	Kaira.	Panch Mahals.	Surat.	Thana.	Bombay Suburban.	East Khándesh.	West Khándesh.	Násik.	Poona.
2.	*All other Factories*—concluded.												
Miscellaneous.	Gas works ...	1	...	...	...	...	...	...	...	...	...	...	...
	Jewellery workshops ...	...	...	...	...	...	...	...	...	...	...	...	...
	Rope works ...	...	...	...	...	...	...	...	...	...	...	...	...
	Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...
	Pharmaceutical works ...	1	...	...	...	...	...	...	...	...	...	...	...
	Paint factories ...	1	...	...	...	...	...	...	1	...	...	...	...
	Surgical instrument factories	2	...	...	...	...	...	...	...	...	...	...	...
	Electrical generating stations ...	1	...	...	...	...	...	...	...	...	...	...	1
	Leather cloth factories ...	...	...	...	...	...	...	...	1	...	...	...	...
	Umbrella factories ...	...	...	...	...	...	...	...	...	...	...	...	1
	Laundry ...	1	...	...	...	...	...	...	...	...	...	...	...
	Telephone works ...	1	...	...	...	...	...	...	...	...	...	...	...
	Button factory ...	1	...	...	...	...	...	...	...	...	...	...	...
	Carbonic gas works ...	1	...	...	...	...	...	...	...	...	...	...	...
	Oxygen gas works ...	1	...	...	...	...	...	...	...	...	...	...	...
	Total ...	11	...	...	...	...	...	...	2	...	...	...	2
	Grand Total ...	265	142	47	13	8	46	4	14	145	69	12	15

No. II—*concluded.*

Factories—concluded.

Sholápur.	Ahmednagar.	Sátára.	Belgaum.	Bijápur.	Dhárwár.	Kolába.	Hyderabad.	Karáchi.	Sukkur.	Thar and Párkar.	Nawábshih.	Upper Sind Frontier.	Larkana.	Total.	Total for the year 1921.	Total for the year 1920.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	1	...	...	...	...	...	...	...	2	2	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	1	...	1	...	...	...	...	...	17	10	8
28	14	1	27	31	71	1	10	31	9	8	15	2	34	1,062	926	894

ROYAL ASIATIC SOCIETY LIBRARY OF THE BOMBAY BRANCH OF THE

STATEMENT

Average daily number of persons

Industry.	Town and Island of Bombay.	Ahmedabad.	Broach.	Kaira.	Panch Mahals.	Surat.	Thana.	Bombay Suburban.	East Khandesh.	West Khandesh.	Nasik.	Poona.	Sholapur.
1. Government and Local Fund Factories.													
Aeroplane workshop ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arms and Ammunition ...	...	...	...	...	...	...	...	...	...	...	...	2,088	...
Arsenals ...	...	...	...	...	...	...	...	...	...	...	...	611	...
Canal foundry and workshops ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carpentry ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clothing agencies ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cotton Mills ...	...	...	...	...	...	...	...	...	...	...	...	..	...
Distilleries ...	...	...	...	...	66	...	...	...	...	...	222	...	...
Dockyards and harbour works ...	3,658	...	...	...	...	...	...	...	...	...	...	...	...
Electrical engineering works ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Engineering workshops ...	2,151	...	...	...	...	...	...	130	...	...	..	160	...
Forage presses ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gas-works ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gun-carriage factories ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Iron works and foundries ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jute mills ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Leather works and Tannaries ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mathematical instrument factories...	..	...	...	...	...	...	...	...	...	...	...	...	...
Mints ...	465	...	...	...	...	...	...	...	...	...	...	...	...
Municipal works (including water works) ...	580	...	...	...	...	...	...	...	...	...	...	...	...
Rosin and turpentine factories ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sappers and Miners workshops ...	..	...	..	...	...	...	...	...	...	...	...	...	...
Saw mills and turnery ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stone masonyard ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stores factory ...	...	...	...	...	...	...	..	...	...	...	...	...	...
Telegraph works ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wollen mills ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Artificial Limb factory ...	20	...	...	...	...	...	...	...	...	...	...	...	...
Railway workshops ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Printing presses ...	681	...	...	...	...	...	...	...	...	...	...	531	..
Motor works ...	25	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	7,580	...	...	...	66	...	...	130	...	...	222	3,340	...
2. All other Factories.													
Textiles. Cotton (Spinning, Weaving and other) factories ...	151,241	54,761	3,445	1,724	...	2,741	...	4,780	2,659	...	...	1,033	16,830
Textiles. Hosiery ...	23	131	...	...	...	...	...	...	...	...	...	...	...
Textiles. Jute mills ...	....	...	...	...	...	...	...	...	...	...	...	...	...
Textiles. Silk mills ...	1,191	...	...	...	...	...	..	...	...	...	...	...	...
Textiles. Woollen mills ...	1,171	...	...	...	...	...	472	...	...	...	...	...	...
Textiles. Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	153,626	54,892	3,445	1,724	...	2,741	472	4,780	2,659	...	...	1,033	16,830
Mineral and Metals. Aluminium ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Colliery workshop ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Iron brass and steel foundries	3,163	491	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Kerosine tinning and packing works. ...	1,917	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Lock and Cutlery works ...	240	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Metal works ...	791	...	...	...	...	...	...	122	...	...	...	102	...
Mineral and Metals. Petroleum Refineries ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral and Metals. Tin works ...	19	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	6,130	491	...	...	...	...	...	122	...	...	...	102	...
Engineering and Transport. Dockyards ...	3,662	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Electrical Engineering works ...	37	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Engineering workshops ...	1,433	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Motor works and coach buildings works ...	1,416	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Railway workshops ...	18,354	...	...	...	...	...	...	...	957	...	659	306	192
Engineering and Transport. Shipbuilding and engineering works ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Tramway works ...	925	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Miscellaneous ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Telegraph works ...	178	...	...	...	...	...	...	...	...	...	...	...	...
Engineering and Transport. Cable factory ..	...	..	...	...	...	...	...	...	...	...	...	...	...
Total ...	26,005	...	...	...	...	...	...	...	957	...	659	306	192

No. III.

employed by different Industries.

Ahmednagar.	Sátára.	Bolgaum.	Bijápur.	Dhárwár.	Kolába.	Hyderabad.	Karáchi.	Sukkur.	Thar and Párkar.	Nawábshah.	Upper Sind Frontier.	Larkhana.	Total.	Total for the year 1921.	Total for the year 1920.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	2,038	2,520	2,170
...	...	...	...	...	...	...	...	...	...	...	...	...	611	691	576
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	104	...	...	...	...	...	...	...	...	...	...	392	224	...
...	...	...	...	...	...	...	...	...	...	...	...	...	3,658	4,360	4,618
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	804	...	...	...	...	...	2,745	2,481	1,864
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	465	602	1,237
...	...	...	...	...	...	...	...	...	...	...	...	...	580	572	500
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	20	...	...
...	...	...	...	...	...	...	2,396	2,262	...	...	...	...	4,658	5,118	...
...	...	...	...	...	...	...	118	...	...	...	...	...	1,330	1,410	1,217
...	...	...	...	...	...	...	...	...	...	...	...	...	25	...	...
...	...	104	...	...	...	...	2,818	2,262	...	...	...	...	16,522	17,918	12,422
...	...	2,967	...	2,476	...	...	...	...	...	...	...	...	244,657	241,606	223,843
...	...	...	...	...	...	...	...	...	...	...	...	...	154	161	127
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	1,191	1,340	1,395
...	...	...	...	...	...	...	...	...	...	...	...	...	1,643	362	925
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2,967	...	2,476	...	...	...	...	...	...	...	...	247,645	243,459	226,290
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	422	...	...	...	...	...	4,076	4,144	3,571
...	...	...	...	...	...	...	976	...	...	...	...	...	2,893	2,758	3,088
...	...	...	...	...	...	...	...	...	...	...	...	...	240	357	350
...	...	...	...	...	...	...	...	...	...	...	...	...	1,015	382	231
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	19	...	...
...	...	...	...	...	...	...	1,398	...	...	...	...	...	8,243	7,641	7,235
...	...	...	...	...	...	...	...	...	...	...	...	...	3,662	5,867	7,907
...	...	...	...	...	...	...	...	...	...	...	...	...	37	...	...
...	...	...	...	...	...	...	175	...	...	...	...	...	1,608	1,627	1,613
...	...	...	...	...	...	...	40	...	...	...	...	...	1,456	1,941	958
...	...	...	...	3,071	...	...	...	...	...	...	...	...	23,539	22,880	28,539
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	113	...	...	...	...	...	1,038	1,180	1,250
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	178	126	204
...	...	...	...	...	...	...	40	...	...	...	...	...	40	...	...
...	...	...	...	3,071	...	...	368	...	...	...	...	...	31,558	33,621	40,471

STATEMENT

Average daily number of persons

Industry.		Town and Island of Bombay.	Ahmedabad.	Broach.	Kaira.	Panch Mahals.	Surat.	Thána.	Bombay Suburban.	East Khándesh.	West Khándesh.	Násik.	Poona.	Sholapur.
2. All other Factories—concluded.														
Food, Drink and Tobacco.	Biscuit factories	...	...	...	...	...	...	...	...	...	...	...	...	...
	Breweries	...	...	...	...	...	...	...	...	...	...	...	...	...
	Coffee works	28	...	...	...	...	...	...	...	...	...	...	...	...
	Dairy farms	...	...	...	...	...	...	...	...	...	...	...	...	...
	Distilleries	...	...	...	...	...	...	...	...	...	...	...	...	...
	Flour mills	813	33	...	...	...	...	...	...	...	...	...	...	...
	Ice, Mineral and Aerated water factories.	343	...	...	...	...	...	...	...	...	...	...	...	...
	Rice mills	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sugar factories	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tobacco factories	...	...	...	...	...	...	...	188	...	...	...	...	...
	Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gul factories	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	1,184	33	...	...	...	...	...	188	...	...	...	...	...
Chemical, Dyes, etc.	Bone mills	...	...	...	...	...	...	312	205	...	...	...	...	...
	Chemical works	165	...	...	...	...	...	...	20	...	...	...	...	...
	Dye works	2,970	48	...	...	...		...	104	...	...	...	...	...
	Lace factories	...	...	...	...	...		...	...	...	...	...	...	...
	Match factories	...	250	...	...	...	...	...	...	...	...	...	...	...
	Oil mills	318	192	...	...	...	143	...	...	...	...	...	...	...
	Soap factories	...	...	...	...	...	...	...	...	...	...	...	...	...
	Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	3,453	490	...	...	...	143	312	329	...	...	...	...	...
Paper and Printing.	Paper mills	215	...	...	...	...	...	...	...	...	...	...	234	...
	Printing presses	4,229	...	...	...	...	55	86	...	...	...	...	359	...
	Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	4,444	...	...	...	...	55	86	...	...	...	...	593	...
Processes relating to Wool, Stone and Glass.	Carpentry	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cement works	...	...	...	...	...	...	...	...	...	...	...	...	...
	Furniture workshops	220	...	...	...	...	...	...	...	...	...	...	...	...
	Glass works	225	...	...	...	...	...	...	...	...	...	...	52	...
	Potteries	...	...	...	...	...	...	...	...	...	...	...	...	...
	Saw mills	437	...	...	26	...	...	...	...	...	...	...	...	...
	Stone works	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tile factories	...	...	...	...	...	...	...	...	...	...	...	...	...
	Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
	Optical works	40	...	...	...	...	...	...	...	...	...	...	...	...
	Total	922	...	...	26	...	...	...	...	...	...	...	52	...
Processes connected with Skins and Hides.	Leatherworks	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tanneries	92	...	...	...	...	18	...	...	...	...	...	...	...
	Micellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	92	...	...	...	...	18	...	...	...	...	...	...	...
Gins and presses.	Cotton ginning, cleaning and pressing works.	612	3,135	3,712	485	345	2,562	...	...	10,881	6,122	635	...	1,327
	Jute presses	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hay presses	...	...	...	...	...	...	...	...	...	164	...	...	...
	Total	612	3,135	3,712	485	345	2,562	...	...	10,881	6,286	635	...	1,327
Miscellaneous.	Gas works	534	...	...	...	...	...	...	...	...	...	...	...	...
	Jewellery workshops	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rope works	...	...	...	...	...	...	...	...	...	...	...	...	...
	Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pharmaceutical works	65	...	...	...	...	...	...	...	...	...	...	...	...
	Paint factories	46	...	...	...	...	...	...	70	...	...	...	...	...
	Surgical instrument factories.	147	...	...	...	...	...	...	...	...	...	...	...	...
	Electrical generating stations.	277	...	...	...	...	...	...	...	...	...	...	73	...
	Leather cloth factories	...	...	...	...	...	...	...	35	...	...	...	...	...
	Umbrella factory	...	...	...	...	...	...	...	...	...	...	...	60	...
	Laundry	92	...	...	...	...	...	...	...	...	...	...	...	...
	Telephone works	100	...	...	...	...	...	...	...	...	...	...	...	...
	Button factory	206	...	...	...	...	...	...	...	...	...	...	...	...
	Carbonic gas works	184	...	...	...	...	...	...	...	...	...	...	...	...
	Oxygen gas works	41	...	...	...	...	...	...	...	...	...	...	...	...
	Total	1,692	...	...	...	...	...	...	105	...	...	...	133	...
	Grand Total	205,740	59,041	7,157	2,235	411	5,519	870	5,654	14,447	6,286	1,516	5,559	1,8349

No. III—*concluded.*

employed by different Industries.

Ahmednagar.	Sátára.	Bolgaum.	Bijápur.	Dhárwár.	Kolába.	Hyderabad.	Karáchi.	Sukkur.	Thar and Párkar.	Nawábsháh.	Upper Sind Frontier	Larkhana.	Total.	Total for the year 1921.	Total for the year 1920.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	28	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	98
...	...	...	...	...	...	...	340	134	...	...	...	...	1,320	1,204	1,168
...	...	...	...	...	...	...	36	...	...	...	...	...	379	...	...
...	...	...	...	...	...	...	...	...	...	...	20	574	594	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	188	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
151	...	...	...	...	...	...	...	...	...	...	...	...	151	124	...
151	...	...	...	...	...	...	376	134	...	...	20	574	2,660	1,328	1,266
...	...	...	...	...	...	43	447	...	...	...	...	...	1,007	896	888
...	...	...	...	...	...	...	...	...	...	...	...	...	185	199	261
...	...	...	...	...	...	...	...	...	...	...	...	...	3,122	3,011	3,114
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	250	172	175
...	...	49	40	...	...	...	...	...	...	...	...	...	742	645	667
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	49	40	...	...	43	447	...	...	...	...	...	5,306	4,923	5,105
...	...	...	...	...	...	...	...	...	...	...	...	...	449	641	620
...	...	...	...	338	...	...	282	...	...	...	...	...	5,349	4,852	4,714
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	338	...	...	282	...	...	...	...	...	5,798	5,493	5,334
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	220	308	238
...	...	...	...	...	...	...	...	...	...	...	...	...	277	545	672
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	80	...	...	...	...	...	543	509	501
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	55	...	...	...	...	54	...	...	...	...	...	109	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	40	...	...
...	...	55	...	...	...	...	134	...	...	...	...	...	1,189	1,362	1,411
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	21	...	...	...	...	...	131	75	126
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	21	...	...	...	...	...	131	75	126
619	98	855	1,254	3,043	...	791	97	85	837	1,795	...	...	39,240	36,034	37,702
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	40	...	204	...	...
619	98	855	1,254	3,043	...	791	97	85	837	1,795	40	...	39,444	36,034	37,702
...	...	...	...	...	...	...	...	...	...	...	...	...	534	450	623
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	74	...	...	...	...	...	...	...	139	157	89
...	...	...	...	...	...	...	...	...	...	...	...	...	116	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	147	167	200
...	...	...	...	...	...	...	...	...	...	...	...	...	350	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	35	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	60	70	68
...	...	...	...	...	...	...	...	...	...	...	...	...	92	76	83
...	...	...	...	...	...	...	...	...	...	...	...	...	100	75	...
...	...	...	...	...	...	...	...	...	...	...	...	...	206	223	113
...	...	...	...	...	...	...	18	...	...	...	...	...	202	208	220
...	...	...	...	...	...	...	...	...	...	...	...	...	41	...	...
...	...	...	...	...	74	...	18	...	...	...	...	...	2,022	1,426	1,396
770	98	4,080	1,294	3,928	74	834	5,959	2,481	837	1,795	60	574	360,518	353,280	338,758

STATEMENT

Average daily number

Industry.	Town and Island of Bombay.	Ahmedabad.	Broach.	Kaira.	Panch Mahals.	Surat.	Thána.	Bombay Suburban.	East Khándesh.	West Khándesh.	Násik.	Poona.	Sholápur.	Ahmednagar.
All Industries.														
Adults—														
Males	172,663	42,108	4,466	1,658	246	3,301	613	4,269	8,390	3,575	1,132	4,758	12,320	414
Females	31,579	9,902	2,176	418	165	1,929	230	1,093	5,811	2,711	384	291	4,393	356
Total	204,242	52,010	6,582	2,076	411	5,230	843	5,362	14,201	6,286	1,516	5,049	16,713	770
Children—														
Males	992	5,273	444	133	...	151	27	196	246	...	...	490	1,387	...
Females	506	1,758	131	26	...	138	...	96	...	...	...	20	249	...
Total	1,498	7,031	575	159	...	289	27	292	246	...	...	510	1,636	...
Total Average Daily Number	205,740	59,041	7,157	2,235	411	5,519	870	5,654	14,447	6,286	1,516	5,559	18,349	770
Cotton Spinning and Weaving Mills.														
Adults—														
Males	120,232	39,046	2,343	1,337	...	1,983	...	3,604	2,059	...	...	817	11,380	...
Females	29,770	8,790	611	253	...	491	...	922	354	...	...	178	3,814	...
Total	150,002	47,836	2,954	1,590	...	2,474	...	4,526	2,413	...	...	995	15,194	...
Children—														
Males	767	5,198	401	114	...	139	...	166	246	...	...	36	1,387	...
Females	472	1,727	90	20	...	128	...	88	...	...	...	2	249	...
Total	1,239	6,925	491	134	...	267	...	254	246	...	...	38	1,636	...
Total Average Daily Number	151,241	54,761	3,445	1,724	...	2,741	...	4,780	2,659	...	...	1,033	16,830	...
Jute Mills.														
Adults—														
Males	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Children—														
Males	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total Average Daily Number	...	...	...	...	...	...	...	...	...	...	...	...	...	...

No. IV.

of persons employed.

Sátára.	Belgaum.	Bijápur.	Dhárwár.	Kolába.	Hyderabad.	Karáchi.	Sukkur.	Thar and Párkar.	Nawábsháh.	Upper Sind Frontier.	Larkana.	Total.	Total for the year 1921.	Total for the year 1920.
65	2,036	622	6,192	63	481	5,493	2,477	672	1,068	60	526	279,608	271,288	258,489
33	1,605	670	2,381	11	200	415	1	135	596	...	33	67,518	66,226	64,834
98	3,641	1,292	8,573	74	681	5,908	2,478	807	1,664	60	559	347,126	337,514	323,323
...	201	2	253	...	122	51	3	20	84	...	5	10,080	11,639	11,007
...	188	...	102	...	31	...	...	10	47	...	10	3,312	4,127	4,428
...	389	2	355	...	153	51	3	30	131	...	15	13,392	15,766	15,435
98	4,030	1,294	8,928	74	834	5,959	2,481	837	1,795	60	574	360,518	353,280	338,758
...	1,527	...	1,567	...	...	...	...	...	...	...	...	185,895	180,958	165,606
...	1,075	...	649	...	...	...	...	...	...	...	...	46,907	46,721	44,338
...	2,602	...	2,216	...	...	...	...	...	...	...	...	232,802	227,679	209,944
...	187	...	166	...	...	...	...	...	...	...	...	8,807	9,973	9,638
...	178	...	94	...	...	...	...	...	...	...	...	3,048	3,954	4,261
...	365	...	260	...	...	...	...	...	...	...	...	11,855	13,927	13,899
...	2,967	...	2,476	...	...	...	...	...	...	...	...	244,657	241,606	223,843
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

STATEMENT

Intervals Holidays

District.	Number of									
	Total.	In which intervals are.			In which holidays are.			In which		
		Granted under.		Subject to exemption from section 21.	Granted on.		Subject to exemption from section 22.	For men.		
		Section 21 (1) (a) (i).	Section 21 (1) (a) (ii).		Sundays only.	Week day and Sunday.		Not above 48.	Above 48 and not above 54.	Above 54.
1	2	3	4	5	6	7	8	9	10	11
Bombay ...	259	246	13	4	79	175	...	61	52	146
Ahmedabad ...	125	83	2	4	1	124	...	4	9	112
Broach ...	45	5	...	...	...	45	...	...	...	45
Kaira ...	12	3	...	...	1	11	...	2	...	10
Panch Mahals ...	7	...	1	...	1	6	...	...	...	7
Surat ...	42	8	...	...	1	41	...	6	1	35
Thána ...	4	4	...	...	2	2	...	...	1	3
Bombay Suburban ...	14	14	...	...	5	9	...	3	2	9
East Khándesh ...	127	125	2	...	22	105	...	6	6	115
West Khándesh ...	59	55	4	...	...	59	...	...	6	53
Násik ...	9	8	1	...	4	5	...	1	1	7
Poona ...	15	12	3	...	8	7	...	9	1	5
Sholápur ...	25	24	1	...	3	22	...	2	...	23
Ahmednagar ...	11	8	3	1	3	8	...	...	1	10
Sátára ...	1	1	...	...	1	...	...	1	...	...
Belgaum ...	23	21	2	1	10	13	...	...	1	22
Bijápur ...	24	24	...	2	10	14	...	6	...	18
Dhárwár ...	63	63	...	...	8	55	...	2	1	60
Kolába ...	1	1	...	...	...	1	...	...	...	1
Hyderabad ...	9	5	4	...	6	3	...	...	1	8
Karáchi ...	31	29	2	...	16	15	...	10	15	6
Sukkur ...	5	4	1	...	5	...	...	2	...	3
Thar and Párkar ...	7	4	3	...	2	5	...	...	...	7
Nawábsháh ...	14	7	7	...	7	7	...	...	...	14
Upper Sind Frontier ...	2	1	1	...	...	2	...	...	...	2
Larkhana ...	16	...	16	...	1	15	...	8	...	8
Total ...	950	755	66	12	196	749	...	123	98	729
Total for the year 1921.	...	...	...	...	...	...	...	...	...	...

No. V.

and Hours.

Factories.							
average weekley hours are.							
For women.			For children.		Exempted from.		Remarks.
Not above 48.	Above 48 and not above 54.	Above 54.	Not above 30.	Above 30.	Section 27.	Section. 28.	
12	13	14	15	16	17	18	19
31	49	76	51	22	1	1	5 factories remained closed. 1 factory did not furnish information. For holidays 5 factories worked otherwise.
8	9	101	68	5	...	...	17 factories remained closed. 39 factories worked under section 21 of 1911 Act.
.....	.....	41	5	...	...	...	2 factories remained closed. 40 factories worked under section 21 of 1911 Act.
3	... ..	7	2	1	...	...	1 factory remained closed. 9 factories worked under section 21 of 1911 Act.
.....	2	4	...	...	...	...	1 factory remained closed. 6 factories worked under section 21 of 1911 Act.
4	2	31	5	1	...	...	4 factories remained closed. 34 factories worked under section 21 of 1911 Act.
1	1	1	...	1	...	...	
4	2	4	3	3	...	...	
6	26	91	2	...	...	...	16 factories remained closed and two did not furnish information.
.....	7	49	...	...	...	...	10 factories remained closed.
.....	1	6	...	...	...	...	3 factories did not furnish information.
3	.....	2	2	7	...	...	
2	1	22	7	...	...	...	2 factories remained closed and one did not furnish information.
.....	4	7	...	...	...	...	1 factory remained closed and two did not furnish information.
1	.....	... ..	...	...	...	...	
3	4	15	...	4	...	...	3 factories remained closed and one did not furnish information.
6	.....	18	...	...	...	...	7 factories remained closed.
3	1	57	6	3	...	...	8 factories remained closed.
.....	.....	1	...	...	...	...	
4	3	2	1	6	...	...	1 factory remained closed.
4	5	2	...	9	...	...	
1	.....	.....	...	1	...	...	1 factory remained closed and three did not furnish information.
.....	2	5	...	...	...	...	1 factory did not furnish information.
.....	1	13	...	4	...	...	1 factory remained closed.
.....	.....	.....	...	...	...	...	
1	1	1	1	...	...	...	18 factories did not furnish information.
85	121	555	153	67	1	1	
.....	.....	.....	...	...	...	...	

STATEMENT No. VI.

Accidents.

District.	Fatal.	Serious.	Minor.	Total.	Remarks.
Bombay	22	30	825	877	
Ahmedabad	10	39	45	94	
Broach	1	2	5	8	
Kaira	...	1	...	1	
Panch Mahals	...	...	...	...	
Surat	2	2	7	11	
Thána	...	...	...	...	
Bombay Suburban	...	2	10	12	
East Khándesh...	1	1	18	20	
West Khándesh	1	...	2	3	
Násik	...	...	8	8	
Poona	...	...	13	13	
Sholápur	2	3	16	21	
Ahmednagar	...	...	...	...	
Sátára	...	...	...	...	
Belgaum	...	...	1	1	
Bijápur	...	...	...	...	
Dhárwár	...	3	20	23	
Kolába	...	...	...	...	
Hyderabad	...	1	...	1	
Karáchi	3	...	5	8	
Sukkur	...	4	5	9	
Thar and Párkar	...	...	...	...	
Nawábsháh	...	...	...	...	
Upper Sind Frontier	...	...	...	...	
Larkana	...	...	...	...	
Total ...	42	88	980	1,110	
Total for the year 1921 ...	34	101	949	1,084	
Total for the year 1920 ...	33	108	768	909	

STATEMENT NO. VII.

STATEMENT

Convic-

District.	Number of persons						
	Section 41 (*a*).	Section 41 (*b*).	Section 41 (*c*).	Section 41 (*d*).	Section 41 (*e*).	Section 41 (*f*).	Section 41 (*g*).
Bombay ...	4(*a*)	...	...	...	...	3(*l*)	...
Ahmedabad ...	3(*c*)	...	...	...	...	...	...
Broach ...	...	...	...	...	...	...	...
Kaira ...	...	...	...	...	...	...	...
Panch Maháls ...	...	...	...	...		...	...
Surat ...	...	...	...	...	...	...	...
Thána ...	...	...	...	...	...	...	...
Bombay Suburban ...	...	...	...	...	...	...	...
East Khándesh ...	...	...	...	...	...	...	...
West Khándesh ...	...	...	...	...	...	...	...
Násik ...	...	...	...	..	...	...	...
Poona ...	...	...	...	...	...	...	...
Sholápur ...	...	...	...	...	...	...	...
Ahmednagar ...	...	...	...	...	..	...	...
Sátára ...	...	...	...	...	...	...	...
Belgaum ...	...	...	...	...	...	...	...
Bijápur ...	...	...	...	...	...	...	...
Dhárwár ...	...	...	...	...	...	...	...
Kolába ...	...	...	...	...	...	...	...
Hyderabad ...	1	...	...	...	...	...	...
Karáchi ...	...	...	...	...	...	...	...
Sukkur ...	...	...	...	...	...	...	...
Thar and Párkar ...	...	...	...	...	...	...	...
Nawábsháh ...	2	...	...	...	...	...	...
Upper Sind Frontier ...	...	...	...	...	...	...	...
Lárkhana ...	...	...	...	...	...	...	...
Total ...	10	...	...	...	...	3	...
Total for the year 1921 ...	9	...	...	...	...	1	...
Total for the year 1920 ...	17	...	...	...	...	...	...

No. VII.

tions.

convicted during the year.							Remarks.
Section 41 (*h*).	Section 41 (*i*).	Section 41 (*j*).	Section 43 (*a*).	Section 43 (*b*).	Section 43 (*c*).	Total.	
...	...	...	...	...	...	7	(*a*) The spinning master in one mill was convicted in seven cases and the managers in two cases in 15 and 41 cases respectively. In the fourth case the spinning master was convicted. (*b*) Jobbers were convicted. (*c*) A manager was convicted in 31 cases.
...	...	...	...	...	...	3	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
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...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
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...	...	...	...	...	...	1	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	2	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	13	
...	...	...	...	...	...	10	
...	...	...	...	...	...	17	

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STATEMENT No. VIII.

Inspections.

District.	Number of Factories inspected during the year.					Not inspected.	Grand Total.	Remarks.
	Once.	Twice.	Thrice.	More than three times.	Total.			
Bombay	62	121	61	19	263	2	265	
Ahmedabad	51	4	1	80	136	6	142	
Broach	41	...	...	5	46	1	47	
Kaira	1	1	...	2	4	9	13	
Panch Mahals ...	...	...	...	...	...	8	8	
Surat	19	...	1	7	27	19	46	
Thána	4	...	...	...	4	...	4	
Bombay Suburban ...	7	6	1	...	14	...	14	
East Khándesh ...	100	42	...	...	142	3	145	
West Khándesh ...	59	4	...	...	63	6	69	
Násik	9	2	1	...	12	...	12	
Poona	4	4	2	5	15	...	15	
Sholápur	15	1	1	7	24	4	28	
Ahmednagar	9	3	...	...	12	2	14	
Sátára	...	...	...	...	...	1	1	
Belgaum	2	3	2	...	7	20	27	
Bijápur	16	2	1	...	19	12	31	
Dhárwár	56	2	5	...	63	8	71	
Kolába	...	...	...	...	...	1	1	
Hyderabad	6	1	3	...	10	...	10	
Karáchi	3	5	3	20	31	...	31	
Sukkur	3	3	1	2	9	...	9	
Thar and Párkar ...	2	...	6	...	8	...	8	
Nawábsháh	9	6	...	...	15	...	15	
Upper Sind Frontier ...	...	2	...	...	2	...	2	
Larkana	25	9	...	...	34	...	34	
Total ...	503	221	89	147	960	102	1,062	
Total for the year 1921 ...	395	66	40	312	813	113	926	
Total for the year 1920 ...	372	85	128	103	688	206	894	

D. R. MACINTOSH,

Chief Inspector of Factories, Boilers and Smoke Nuisances, Bombay Presidency.

Factory Inspection Office,
Bombay, 15th May 1923.